

SEQUENCE LISTING

<110> Presnell, Scott R.
Kuestner, Rolf E.
Gao, Zeren

<120> HUMAN CYTOKINE RECEPTOR

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<150> US 09/912,157

<151> 2001-07-24

<150> US 60/220,747

<151> 2000-07-26

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<212> DNA

<213> Artificial Sequence

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aartayttyg	tngayaaraa	raaytayaar	cayaarggng	ngngnmngng	nwsnggnaar	1380
ggngarytn	tytngtngc	ngtnwsngcn	atgcnagara	arytnmgna	rgcnaarcar	1440
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gaygtncng	gnathytnga	yytnwsnacn	aartaymgny	tnatggayaa	yytnccncar	1560
ytntgywsnc	ayytncayws	nmngnaycay	ggnytncarg	arccnggnca	rcayacnmgn	1620
carggnwsnm	gnmgnaayta	yttymgnwsn	aarwsnggnm	gnwsnytna	ygtngcnath	1680

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Val Phe Phe Thr Val Asn Ala Cys Leu Asn Gly Ser Gln Leu Ala Val 25
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gcc gct ggc ggg tcc ggc cgc gcg cgg ggc gcc gac acc tgt ggc tgg 208
Ala Ala Gly Gly Ser Gly Arg Ala Arg Gly Ala Asp Thr Cys Gly Trp 40
30                               35                               40

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Arg Met Lys Ala Ala Ala Arg Pro Arg Leu Cys Val Ala Asn Glu Gly 55
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Val Gly Pro Ala Ser Arg Asn Ser Gly Leu Tyr Asn Ile Thr Phe Lys 70
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Tyr Asp Asn Cys Thr Thr Tyr Leu Asn Pro Val Gly Lys His Val Ile 85
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gtg gca gtc acc att ctt tgg tcc cca ggg gcc ctc ggc atc gaa ttc 448
Val Ala Val Thr Ile Leu Trp Ser Pro Gly Ala Leu Gly Ile Glu Phe 120
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Leu Lys Gly Phe Arg Val Ile Leu Glu Glu Leu Lys Ser Glu Gly Arg 135
125                               130                               135

cag tgc caa caa ctg att cta aag gat ccg aag cag ctc aac agt agc 544
Gln Cys Gln Gln Leu Ile Leu Lys Asp Pro Lys Gln Leu Asn Ser Ser 150
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Glu Ser Asn Tyr His Pro Phe Phe Phe Arg Thr Arg Ala Cys Asp Leu	
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Leu Leu Gln Pro Asp Asn Leu Ala Cys Lys Pro Phe Trp Lys Pro Arg	
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Asn Leu Asn Ile Ser Gln His Gly Ser Asp Met Gln Val Ser Phe Asp	
220 225 230	
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His Ala Pro His Asn Phe Gly Phe Arg Phe Phe Tyr Leu His Tyr Lys	
235 240 245	
ctc aag cac gaa gga cct ttc aag cga aag acc tgt aag cag gag caa	880
Leu Lys His Glu Gly Pro Phe Lys Arg Lys Thr Cys Lys Gln Glu Gln	
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act aca gag atg acc agc tgc ctc ctt caa aat gtt tct cca ggg gat	928
Thr Thr Glu Met Thr Ser Cys Leu Leu Gln Asn Val Ser Pro Gly Asp	
270 275 280	
tat ata att gag ctg gtg gat gac act aac aca aca aga aaa gtg atg	976
Tyr Ile Ile Glu Leu Val Asp Asp Thr Asn Thr Thr Arg Lys Val Met	
285 290 295	
cat tat gcc tta aag cca gtg cac tcc ccg tgg gcc ggg ccc atc aga	1024
His Tyr Ala Leu Lys Pro Val His Ser Pro Trp Ala Gly Pro Ile Arg	
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Ala Val Ala Ile Thr Val Pro Leu Val Val Ile Ser Ala Phe Ala Thr	
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Leu Phe Thr Val Met Cys Arg Lys Lys Gln Gln Glu Asn Ile Tyr Ser	
330 335 340 345	
cat tta gat gaa gag agc tct gag tct tcc aca tac act gca gca ctc	1168
His Leu Asp Glu Glu Ser Ser Glu Ser Ser Thr Tyr Thr Ala Ala Leu	
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Pro Arg Glu Arg Leu Arg Pro Arg Pro Lys Val Phe Leu Cys Tyr Ser	
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cac gag agt cag cat ggg ggc ctg gac caa gac ggg gag gcc cgg cct His Glu Ser Gln His Gly Gly Leu Asp Gln Asp Gly Glu Ala Arg Pro 635 640 645			2032

gcc ctt gac ggt agc gcc gcc ctg caa ccc ctg ctg cac acg gtg aaa 2080
 Ala Leu Asp Gly Ser Ala Ala Leu Gln Pro Leu Leu His Thr Val Lys
 650 655 660 665

gcc ggc agc ccc tcg gac atg ccg cgg gac tca ggc atc tat gac tcg 2128
 Ala Gly Ser Pro Ser Asp Met Pro Arg Asp Ser Gly Ile Tyr Asp Ser
 670 675 680

tct gtg ccc tca tcc gag ctg tct ctg cca ctg atg gaa gga ctc tcg 2176
 Ser Val Pro Ser Ser Glu Leu Ser Leu Pro Leu Met Glu Gly Leu Ser
 685 690 695

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 700 705 710

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 715 720 725

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 730 735 740 745

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 <212> PRT
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 Pro Arg Leu Cys Val Ala Asn Glu Gly Val Gly Pro Ala Ser Arg Asn
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 Ser Gly Leu Tyr Asn Ile Thr Phe Lys Tyr Asp Asn Cys Thr Thr Tyr
 65 70 75 80
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 Ile Ser Gln Tyr Ala Cys His Asp Gln Val Ala Val Thr Ile Leu Trp
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 Ser Pro Gly Ala Leu Gly Ile Glu Phe Leu Lys Gly Phe Arg Val Ile
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 Ser Gln Pro Phe Leu Asn Met Lys Phe Glu Thr Asp Tyr Phe Val Lys
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 Val Val Pro Phe Pro Ser Ile Lys Asn Glu Ser Asn Tyr His Pro Phe
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 Phe Phe Arg Thr Arg Ala Cys Asp Leu Leu Leu Gln Pro Asp Asn Leu
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Lys	Arg	Lys	Thr	Cys	Lys	Gln	Glu	Gln	Thr	Thr	Glu	Met	Thr	Ser	Cys
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Lys	Lys	Gln	Gln	Glu	Asn	Ile	Tyr	Ser	His	Leu	Asp	Glu	Glu	Ser	Ser
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Glu	Ser	Ser	Thr	Tyr	Thr	Ala	Ala	Leu	Pro	Arg	Glu	Arg	Leu	Arg	Pro
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Arg	Pro	Lys	Val	Phe	Leu	Cys	Tyr	Ser	Ser	Lys	Asp	Gly	Gln	Asn	His
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385					390					395					400
Cys	Glu	Val	Ala	Leu	Asp	Leu	Trp	Glu	Asp	Phe	Ser	Leu	Cys	Arg	Glu
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Gly	Gln	Arg	Glu	Trp	Val	Ile	Gln	Lys	Ile	His	Glu	Ser	Gln	Phe	Ile
			420					425					430		
Ile	Val	Val	Cys	Ser	Lys	Gly	Met	Lys	Tyr	Phe	Val	Asp	Lys	Lys	Asn
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Tyr	Lys	His	Lys	Gly	Gly	Gly	Arg	Gly	Ser	Gly	Lys	Gly	Glu	Leu	Phe
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Ser	Ser	Ser	Ala	Ala	Leu	Ser	Lys	Phe	Ile	Ala	Val	Tyr	Phe	Asp	Tyr
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Cys	Asn	Met	His	Gln	Phe	Ile	Asp	Glu	Glu	Pro	Asp	Trp	Phe	Glu	Lys
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Gln	Phe	Val	Pro	Phe	His	Pro	Pro	Pro	Leu	Arg	Tyr	Arg	Glu	Pro	Val
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Pro	Gly	Pro	Glu	Ser	Asp	Phe	Cys	Leu	Lys	Val	Glu	Ala	Ala	Val	Leu
	610					615					620				
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Leu	Asp	Gln	Asp	Gly	Glu	Ala	Arg	Pro	Ala	Leu	Asp	Gly	Ser	Ala	Ala
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Pro	Arg	Asp	Ser	Gly	Ile	Tyr	Asp	Ser	Ser	Val	Pro	Ser	Ser	Glu	Leu
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Ser	Leu	Pro	Leu	Met	Glu	Gly	Leu	Ser	Thr	Asp	Gln	Thr	Glu	Thr	Ser
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Ser Leu Thr Glu Ser Val Ser Ser Ser Ser Gly Leu Gly Glu Glu Glu
705                      710                      715                      720
Pro Pro Ala Leu Pro Ser Lys Leu Leu Ser Ser Gly Ser Cys Lys Ala
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Leu

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<210> 6
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<223> n = A, T, C or G

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gcnwsnmgna aywsnggnyt ntayaayath acnttyaart aygayaaytg yacnacntay 240
ytnaayccng tnggnaarca ygtcnathgcn gaygcncara ayathacnat hwsncartay 300
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carytnathy tnaargaycc naarcarytn aaywsnwsnt tyaarmgnac nggnatggar 480
wsncarcntt tyytnaayat gaarttygar acngaytayt tygtnaargt ngtnccntty 540
ccnwsnatha araaygarws naaytaycay ccnttyttyt tymgnacnmg ngcntgygay 600
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athwsncarc ayggngwsnga yatgcargtn wsnttygayc aygcncncna yaaytyyggg 720
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ccncngcny tncnwsnaa rytnytnwsn wsnggnwsnt gyaargcnga yytnggntgy 2220
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<211> 2341
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<213> Homo sapiens

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                               Met Ala Pro Trp Leu Gln Leu Cys Ser
                               1                               5

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Val Phe Phe Thr Val Asn Ala Cys Leu Asn Gly Ser Gln Leu Ala Val
  10                               15                               20                               25

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Ala Ala Gly Gly Ser Gly Arg Ala Arg Gly Ala Asp Thr Cys Gly Trp
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Arg Gly Val Gly Pro Ala Ser Arg Asn Ser Gly Leu Tyr Asn Ile Thr
                               45                               50                               55

ttc aaa tat gac aat tgt acc acc tac ttg aat cca gtg ggg aag cat 304
Phe Lys Tyr Asp Asn Cys Thr Thr Tyr Leu Asn Pro Val Gly Lys His
                               60                               65                               70

gtg att gct gac gcc cag aat atc acc atc agc cag tat gct tgc cat 352
Val Ile Ala Asp Ala Gln Asn Ile Thr Ile Ser Gln Tyr Ala Cys His
  75                               80                               85

gac caa gtg gca gtc acc att ctt tgg tcc cca ggg gcc ctc ggc atc 400
Asp Gln Val Ala Val Thr Ile Leu Trp Ser Pro Gly Ala Leu Gly Ile
  90                               95                               100                               105

gaa ttc ctg aaa gga ttt cgg gta ata ctg gag gag ctg aag tcg gag 448
Glu Phe Leu Lys Gly Phe Arg Val Ile Leu Glu Glu Leu Lys Ser Glu
                               110                               115                               120

gga aga cag tgc caa caa ctg att cta aag gat ccg aag cag ctc aac 496
Gly Arg Gln Cys Gln Gln Leu Ile Leu Lys Asp Pro Lys Gln Leu Asn
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gac ctg ttg tta cag ccg gac aat cta gct tgt aaa ccc ttc tgg aag 688
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<221> misc_feature

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Ser	Asp	Phe	Cys	Arg	Lys	Val	Glu	Ala	Cys	Val	Leu	Gly	Ala	Ala	Gly	
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Pro	Ala	Asp	Ser	Tyr	Ser	Tyr	Leu	Glu	Ser	Gln	His	Val	Gly	Leu	Asp	
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Gln	Asp	Thr	Glu	Ala	Gln	Pro	Ser	Cys	Asp	Ser	Ala	Pro	Ala	Leu	Gln	
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ccc	ctg	tta	cac	gca	gtg	aaa	gct	ggc	agt	ccc	tca	gag	atg	cca	cgg	2083
Pro	Leu	Leu	His	Ala	Val	Lys	Ala	Gly	Ser	Pro	Ser	Glu	Met	Pro	Arg	
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gac	tca	ggc	ata	tat	gat	tct	tct	gta	ccc	tca	tca	gag	ctc	tct	ctg	2131
Asp	Ser	Gly	Ile	Tyr	Asp	Ser	Ser	Val	Pro	Ser	Ser	Glu	Leu	Ser	Leu	
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Pro	Leu	Met	Glu	Gly	Leu	Ser	Pro	Asp	Gln	Ile	Glu	Thr	Ser	Ser	Leu	
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Thr	Glu	Ser	Val	Ser	Ser	Ser	Ser	Gly	Leu	Gly	Glu	Glu	Asp	Pro	Pro	

695	700	705	
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Thr Leu Pro Ser Lys Leu Phe Ala Ser Gly Val Ser Arg Glu His Gly			
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tgc cac agc cac act gac gaa ctg caa gcg ctt gct cct ttg			2317
Cys His Ser His Thr Asp Glu Leu Gln Ala Leu Ala Pro Leu			
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<400> 12

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Gly	Met	Glu	Ser	Gln	Pro	Phe	Leu	Asn	Met	Lys	Phe	Glu	Thr	Asp
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Phe	Val	Lys	Ile	Val	Pro	Phe	Pro	Ser	Ile	Lys	Asn	Glu	Ser	Asn
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His	Pro	Phe	Phe	Phe	Arg	Thr	Arg	Ala	Cys	Asp	Leu	Leu	Leu	Gln
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Gly	Pro	Phe	Arg	Arg	Arg	Thr	Cys	Arg	Gln	Asp	Gln	Asn	Thr	Glu
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